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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number

Filing Date

First Named Inventor

Kellerman et al.

Art Unit

Examiner Name

Attorney Docket Number

02-IMP-056

Sheet

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U. S. PATENT DOCUMENTS

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PTO/SB/08A (02-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

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| Application Number | 10/642,939 |
| Filing Date | August 18, 2003 |
| First Named Inventor | Kellerman et al. |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 02-IMP-056 |

| U. S. PATENT DOCUMENTS | | | | | |
|------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| ath | | US- 5,103,367 | 04/07/1992 | Horwitz et al. | Entire Document |
| | | US- 5,117,121 | 05/26/1992 | Watanabe et al. | Entire Document |
| | | US- 5,325,261 | 06/28/1994 | Horwitz | Entire Document |
| | | US- 5,444,597 | 08/22/1995 | Blake et al. | Entire Document |
| | | US- 5,452,177 | 09/19/1995 | Frutiger | Entire Document |
| | | US- 5,916,689 | 06/29/1999 | Collins et al. | Entire Document |
| | | US- 5,958,813 | 09/28/1999 | Aida et al. | Entire Document |
| | | US- 6,117,246 | 09/12/2000 | Parkhe et al. | Entire Document |
| | | US- 6,149,774 | 11/21/2000 | Sun et al. | Entire Document |
| | | US- 6,215,643 B1 | 04/10/2001 | Nagasaki | Entire Document |
| | | US- 6,236,555 B1 | 05/22/2001 | Leeser | Entire Document |
| | | US- 6,388,861 B1 | 05/14/2002 | Frutiger | Entire Document |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
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| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
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| | | | | Application Number | 10/642,939 |
| | | | | Filing Date | August 18, 2003 |
| | | | | First Named Inventor | Peter L. Kelferman et al. |
| | | | | Group Art Unit | |
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| Sheet | 1 | of | 1 | Attorney Docket No. | 02-IMP-056 |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|---|---|
| Exam. Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Doc. | Date of Pub. of Cited Doc. (mm-dd-yyyy) | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-----------------------|-------------------------|---------------------|-----------------------------------|---|---|---|----------------|
| Exam. Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Doc. | Date of Pub. of Cited Doc. (mm-dd-yyyy) | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ² (if known) | | | | |
| eth | BA | JP | 10-284583 | A | Mitsubishi Electric Corp. | 10/23/1998 | Entire Document | ✓ |
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